

# Muthoot Institute of Technology and Science (MITS)

## Department of Computer Applications

### II Semester MCA

#### 20MCA132 OBJECT ORIENTED PROGRAMMING LAB

##### Schedule of Lab Work

Sl.No	Program Name	Scheduled Date
<b>25</b>	<b>File Handling [CO 4]- Set 25- Write these programs in Observation Book</b>	
25.1	Write a program to create a text file "abc.txt" in the current path and check whether that file is exists. Using the methods exists(), isDirectory(), isFile(), getName() and getAbsolutePath().	28.04.2025
25.2	Write a program to create a directory and check whether the directory is created.	28.04.2025
<b>26</b>	<b>File Stream Classes [CO 4]- Set 26- Write these programs in Observation Book</b>	
26.1	Write a program to create a file and write data into it using the methods OutputStream class.	05.05.2025
26.2	Write a program to get the input a sentence from the user and store it into file. Read that sentence and convert it into uppercase and store it into another file. Using Reader and Writer classes.	05.05.2025
<b>27</b>	<b>Fair record Questions- [CO 4]- Set 27- Prepare the fair record</b>	
27.1	Program to list the sub directories and files in a given directory and also search for a file name.	05.05.2025
27.2	Write a program to write to a file, then read from that file and display the contents on the console.	05.05.2025
27.4	Write a program to copy one file to another.	05.05.2025
27.5	Write a program that reads from a file having integers. Copy even numbers and odd numbers to separate files.	05.05.2025
27.6	Program to create a generic stack and do the Push and Pop operations.	05.05.2025
27.7	Using generic method perform Bubble sort.	08.05.2025
27.8	Maintain a list of Strings using ArrayList from collection framework, perform built-in operations.	08.05.2025
27.9	Program to remove all the elements from a linked list	08.05.2025
27.10	Program to remove an object from the Stack when the position is passed as parameter	08.05.2025
<b>28</b>	<b>Multithreading [CO 4]- Set 28- Write these programs in Observation Book</b>	
28.1	Write a program to get the reference to the current thread by calling currentThread() method and print the numbers from 1 to 10 pausing one second between each number.	15.05.2025
28.2	Print the numbers from 1 to 10 using the concept of multithreading. i) Implement this program using thread class ii) Implement this program using runnable interface	15.05.2025
28.3	Create a program with 3 threads. Implement thread priority.	15.05.2025

<b>29</b>	<b>Fair record Questions- [CO 4]- Set 29- Prepare the fair record</b>	
29.1	Define 2 classes; one for generating multiplication table of 5 and other for displaying first N prime numbers. Implement using threads. (Thread class)	15.05.2025
29.2	Define 2 classes; one for generating Fibonacci numbers and other for displaying even numbers in a given range. Implement using threads. (Runnable Interface)	15.05.2025